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**From:** Lindstrom, Andrew [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=04BF7CF26AA44CE29763FBC1C1B2338E-LINDSTROM, ANDREW]  
**Sent:** 4/12/2016 7:23:04 PM  
**To:** Biales, Adam [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=db4c5362720344acbe5db220fbe410f2-Biales, Adam]; Medina-Vera, Myriam [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b081a1f48a044b4c9d1ebc4992c54dee-Medina-Vera, Myriam]; Buckley, Timothy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=197a3461d9824a17850f34cc2b0b37fe-Buckley, Timothy]  
**CC:** Strynar, Mark [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5a9910d5b38e471497bd875fd329a20a-Strynar, Mark]  
**Subject:** FW: PFAS study discussion  
**Attachments:** 2016.04.06.Outline of Research Options for EPA Analysis of matrices in West Deptford.docx; Solvay PFCs\_Work\_Plan\_09-22-2015.pdf; Solvay Specialty Polymers Workplan review.docx

All,

Mark and I have been approached by officials from the New Jersey Department of Environmental Protection (NJDEP) to help them with ongoing efforts to characterize PFAS contamination in and around West Deptford.

We have been communicating and collaborating with NJDEP since 2007 after our paper on PFAS on the Cape Fear River was published. Most of this interaction has been relatively informal, but this past fall they asked us to comment on a workplan developed by a major PFAS manufacturer that was intended to characterize contamination associated with their site operations in Gloucester County (the plan and comments are attached above).

The major concern with this site is that PFNA (the C9 carboxylic acid) was emitted for many years and the routes and extent of the contamination remains poorly described. Liquid effluents discharged to the Delaware River were dispersed by the daily tidal movements, and groundwater recharge from the River has led to significant contamination of local aquifers.

NJDEP has since issued a preliminary interim drinking water standard for PFNA of 10 ng/l and they have closed a number of drinking water wells that exceeded this standard.

There is now considerable interest in determining whether airborne emissions from this plant are responsible for any of this contamination. There is historical precedent, as airborne emission were determined to be responsible for the PFOA contamination in and around the DuPont facility in Parkersburg, WV.

NJDEP would like NERL to conduct an analysis of a limited number of soil and water samples to help determine if drinking water contamination is related to airborne emissions from this plant (plan attached above). We would work with NJDEP to publish these results as a peer-reviewed journal article.

We would like to meet to discuss this possibility. Please let us know how to proceed.

Thank you very much,

Andy

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**From:** Goodrow, Sandra [mailto:Sandra.Goodrow@dep.nj.gov]  
**Sent:** Monday, April 11, 2016 9:01 AM  
**To:** Strynar, Mark <Strynar.Mark@epa.gov>; Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>

**Cc:** Romanell, Marc <Marc.Romanell@dep.nj.gov>; Bergman, Erica <Erica.Bergman@dep.nj.gov>; Barskey, David <David.Barskey@dep.nj.gov>

**Subject:** PFAS study discussion

Mark and Andy,

We put a few thoughts together to start the discussion on tomorrow's conference call (from 1-2). Take a look at the attached document and see what you think.

Let me know if you will be calling from one phone line (and I'll give you the one number of our conference call phone) or if you will be calling if from two numbers (and I will give you our conference call number and access code.

Thanks!

*Sandra M. Goodrow, Ph.D.*

Research Scientist I

NJ Dept. of Environmental Protection

Division of Science, Research, and Environmental Health

428 E. State St., 1<sup>st</sup> Floor

Mail Code 428-01, P.O. Box 420

Trenton, NJ 08625-0420

(609) 984-9556

[Sandra.Goodrow@dep.nj.gov](mailto:Sandra.Goodrow@dep.nj.gov)

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